

Claims

1. (Amended) A mobile phone including a broadcast receiving unit that receives a broadcast, comprising:

5 a storage unit operable to store position information of a base station in correspondence with a receiving frequency of a broadcast station receivable in an area indicated by the position information;

a position information acquisition unit operable to
10 acquire position information of a base station;

a judgment unit operable to judge whether the acquired position information of the base station is stored in the storage unit;

an additional recording unit operable to, when the
15 acquired position information is not stored, attempt to detect a receiving frequency of a broadcast station having a receiving intensity of no less than a predetermined level within a frequency range defined for an area indicated by the acquired position information, and additionally record all detected
20 receiving frequencies of broadcast stations in correspondence with the acquired position information in the storage unit;
and

a receiving control unit operable to, in response to a receiving instruction from a user, read the detected receiving
25 frequencies stored in correspondence with the acquired position information from the storage unit, and have the broadcast receiving unit receive a broadcast of a broadcast station at the read receiving frequencies.

2. (Deleted)

3. (Amended) The mobile phone of Claim 1, including:

a table acquisition unit operable to acquire a frequency range correspondence table that shows a correspondence between area information that identifies a country or an area and a frequency range receivable in the identified country or area; and

a specification receiving unit operable to receive a specification of a piece of area information, wherein

the additional recording unit attempts to detect a receiving frequency of a broadcast station having a receiving intensity of no less than the predetermined level within the frequency range corresponding to the specified piece of area information.

4. (Amended) The mobile phone of Claim 3, wherein

the frequency range correspondence table shows a correspondence among the area information, the frequency range, and an audio deemphasis amount in the identified country or area,

the mobile phone includes an audio output unit operable to output audio, and

the audio output unit outputs the audio by deemphasizing an audio signal of the received broadcast based on the audio deemphasis amount corresponding to the specified area information.

5. (Amended) The mobile phone of Claim 1, further comprising:

a reading time recording unit operable to, each time the receiving frequency is read by the receiving control unit,
5 record a last reading time of the receiving frequency in correspondence with the position information corresponding to the receiving frequency in the storage unit;

a monitoring unit operable to monitor the last reading time corresponding to the position information at a constant
10 time interval; and

a recording deletion unit operable to delete the recorded receiving frequency corresponding to the position information from the storage unit for which no less than a predetermined time period has passed since the last reading time of the
15 receiving frequency.

6. (Amended) The mobile phone of Claim 1, further comprising:

a number of read counts recording unit operable to, each
20 time the receiving frequency is read by the receiving control unit, update a number of read counts of the receiving frequency, and record the updated number of read counts in correspondence with the position information corresponding to the read receiving frequency in the storage unit;

25 a monitoring unit operable to monitor the number of read counts corresponding to the position information within a predetermined time period; and

a recording deletion unit operable to, when the monitored

number of read counts is less than a number of predetermined

counts, delete the recorded receiving frequency corresponding to the position information corresponding to the number of read counts from the storage unit.

5 7. (Amended) The mobile phone of either of Claims 5 and 6, wherein

the monitoring unit monitors whether a memory capacity of the storage unit is full, and

the recording deletion unit, only when the memory
10 capacity is full, deletes the recorded receiving frequency from the storage unit.

8. (Amended) The mobile phone of any of Claims 1 and 3 to 6, wherein

15 the position information is position information of a call area to which the base station belongs.

9. The mobile phone of Claim 7, wherein

the position information is position information of a
20 call area to which the base station belongs.

10. (Amended) The mobile phone of any of Claims 1 and 3 to 6, wherein

the broadcast is a television broadcast or a radio
25 broadcast.

11. The mobile phone of Claim 7, wherein

the broadcast is a television broadcast or a radio

broadcast.

12. The mobile phone of Claim 8, wherein

the broadcast is a television broadcast or a radio broadcast.

13. The mobile phone of Claim 9, wherein

5 the broadcast is a television broadcast or a radio broadcast.